

1. Record Nr.	UNINA9910795722103321
Autore	Hua Yifan
Titolo	Biomarkers of acid-base status and their interrelationships with body fatness, glucocorticoids, and height / / Yifan Hua
Pubbl/distr/stampa	Gottingen, Germany : , : Cuvillier Verlag, , [2022] ©2022
ISBN	9783736966185 9783736976184
Edizione	[1st ed.]
Descrizione fisica	1 online resource (129 pages)
Disciplina	596.012
Soggetti	Acid-base equilibrium
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- ACKNOWLEDGEMENTS -- SUMMARY -- ZUSAMMENFASSUNG -- LIST OF PUBLICATIONS -- TABLE OF CONTENTS -- LIST OF TABLES -- LIST OF FIGURES -- LIST OF ABBREVIATIONS -- 1 INTRODUCTION -- 2 THEORETICAL BACKGROUNDS -- 2.1 Acid-base balance -- 2.2 Modulation of acid-base function -- 2.3 Higher protein intake and dietary alkalinity as anabolic stimuli -- 3 RESEARCH QUESTIONS -- 4 GENERAL METHODOLOGIES -- 4.1 Study population and the DONALD Study -- 4.2 Anthropometric measurement -- 4.3 Pubertal stage assessment -- 4.4 Dietary assessment -- 4.5 Urinary measurement -- 4.6 Blood measurement -- 4.7 Statistical analysis -- 5 STUDIES -- 5.1 Study - On the existence of the adipo-renal axis: increased body fatness adversely relates to 24-h urine pH already from childhood onward -- 5.2 Study - Inflammatory mediators in the adipo-renal axis: leptin, adiponectin, and soluble ICAM-1 -- 5.3 Study - Glucocorticoids within the physiological range inversely associate with renal citrate excretion in prepubertal children -- 5.4 Study - Adult stature and protein intake during childhood and adolescence from 3 years onward -- 6 GENERAL DISCUSSIONS -- 6.1 Methodological considerations -- 6.2 Interpretation and implication of results -- 6.3 Conclusion and perspectives -- 7 REFERENCES.

